(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 18810-81552

Total Pages in this Submission 127

### TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

liven	3-		OSPHOADENOSINE-5-PHOSPHOSULFATE (PAPS) SYNTHETASE PROTEINS AND	PTO 25
			METHODS FOR TREATING OSTEOARTHRITIC DISORDERS	9816
and ir	rvente	ed by	у:	700
		Da	aniel H. Cohn, Muhammad Faiyaz ul Haque, Lily M. King, and Deborah Krakow	100
ff a C	ONT	INU/	ATION APPLICATION, check appropriate box and supply the requisite information:	
		inuat	ation Divisional Continuation-in-part (CIP) of prior application No.: 05	9/399,212
g	Cont		ation Divisional Continuation-in-part (CIP) of prior application No.:	
7	h is a		ation   Divisional  Continuation-in-part (CIP) of prior application No.:	
	•			
4	osed a	are:	Application Elements	
] ] _ 1.	×	Filir	ing fee as calculated and transmitted as described below	
2.	X	Spe	pecification having 67 pages and including the following:	
	a.	×	Descriptive Title of the Invention	
	b.	X	Cross References to Related Applications (if applicable)	
	C.	×	Statement Regarding Federally-sponsored Research/Development (if applicable)	
	d.		Reference to Microfiche Appendix (if applicable)	
	e.	×	Background of the Invention	
	f.	×	Brief Summary of the Invention	
	g.	X	Brief Description of the Drawings (if drawings filed)	
	h.	X	Detailed Description	
	i.	×	Claim(s) as Classified Below	
	j.	×	Abstract of the Disclosure	

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## **Application Elements (Continued)** ☑ Drawing(s) (when necessary as prescribed by 35 USC 113) a. Formal b. 🔀 Informal Number of Sheets Oath or Declaration a. Newly executed (original or copy) Unexecuted Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) b. 🔀 ☐ Without Power of Attorney c. 🔲 With Power of Attorney DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). ☐ Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. □ Computer Program in Microfiche ☑ Genetic Sequence Submission (if applicable, all must be included) 7. a. 🗶 Paper Copy Computer Readable Copy b. 🔀 Statement Verifying Identical Paper and Computer Readable Copy C. 🔀 **Accompanying Application Parts** Assignment Papers (cover sheet & documents) 37 CFR 3.73(b) Statement (when there is an assignee) ☐ English Translation Document (if applicable) 10. ▼ Information Disclosure Statement/PTO-1449 Copies of IDS Citations 11. Preliminary Amendment Acknowledgment postcard 14. Certificate of Mailing X Express Mail (Specify Label No.): EL 900688417 US First Class

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15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.	×	Small Entity Statement(s) - Specify Number of Statements Submitted:1
17.	×	Additional Enclosures (please identify below):
		REVOCATION OF PRIOR POWERS AND NEW POWERS OF ATTORNEY

Accompanying Application Parts (Continued)

#### Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

#### Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Total Pages in this Submission 127

#### **Fee Calculation and Transmittal**

**		CLAINS A	AS FILED				
For	#Filed	#Allowed	#Extra	Rate	Fee		
Total Claims	12	- 20 =	0	× \$9.00	\$0.00		
indep. Claims	5	- 3 =	2	× \$40.00	\$80.00		
Multiple Dependent Claims (check if applicable)							
Z. Carrier and Car				BASIC F	FEE \$355.00		
OTHER FEE (specify	purpose)				\$0.00		
				TOTAL FILING F	FEE \$435.00		
as described below	•				597		
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<ul><li>Charge the</li><li>Credit any</li><li>Charge an</li><li>Charge the</li></ul>	e amount of overpayment y additional fil	\$435.00 a ing fees required in 37 C.F.R. 1.18	s filing fee. under 37 C.I	F.R. 1.16 and 1.17.  Ing of the Notice of Allowance			

Fax: 213/896-6600

CC:

Plicant(s): Daniel H. C		ASS MAIL (37 CFR	Docket No. P07 42719
Serial No. 09/399,212	Filing Date 09/17/99	Examiner Not Assigned	Group Art Unit 1643
ntion:  GENETIC MA	ARKER FOR SPONDYLOEPI	METAPHYSEAL DYSPLASIA	
hereby certify that this	Verified Statement (Declara	tion) Claiming Small Entity Status (Identify type of correspondence)	·
being deposited with	the United States Postal Se	rvice as first class mail in an enve	elope addressed to: Th
ssistant Commissione	r for Patents, Washington, D.0	C. 20231 on 11/19/9 (Date)	9
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